



“We are eager to learn from the innovative solutions Alaskans have developed over hundreds—often thousands—of years.” —Energy Secretary Jennifer Granholm

## Leading an Arctic Energy Transition

The Arctic Energy Office provides U.S. Department of Energy (DOE) resources to collaborate with diverse audiences in innovative ways to meet the energy, science and security needs of the United States and its allies in the Arctic.

## Fulfilling DOE's Mission

We work every day to fulfill DOE's goals to:

- Combat the climate crisis
- Promote energy justice
- Create clean energy jobs
- Advance DOE Arctic Strategy

### History

In 2001, Congress authorized AEO to develop Alaska's fossil energy opportunities and to bring DOE capabilities to the Arctic and the Arctic to DOE. In 2019, Congress reauthorized the office with its current mission.

## Arctic Energy Office: Collaborating in Innovative Ways for the US Arctic



Above and right: Solar panels and wind turbines in Kotzebue show the state's clean energy advances. Bottom left: The RivGen hydrokinetic device provides renewable power to the Village of Igluigig. (Sources: Matt Bergan of Kotzebue Electric, Vanessa Grisko of DOE, and ORPC.)

## AEO Partner Support

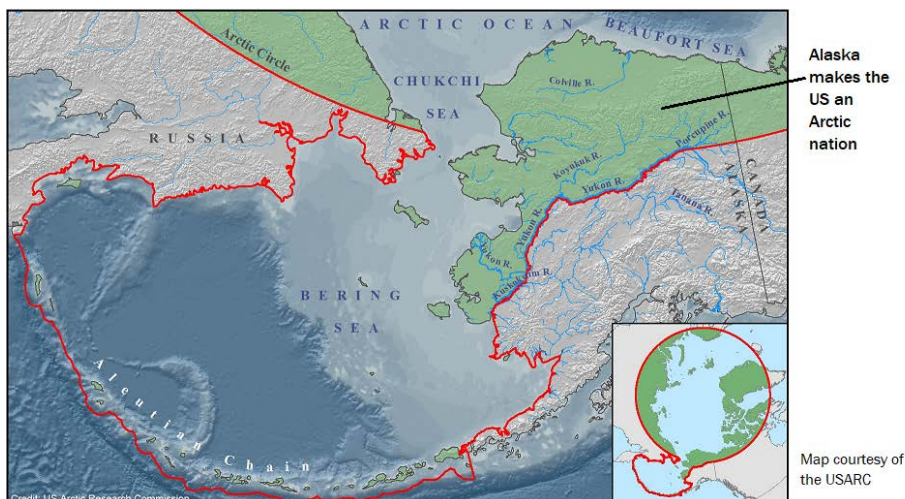
- Locate funding and other resources
- Advance DOE priorities, including the Arctic energy transition
- Ensure all voices—including Alaska Natives—are heard
- Champion Arctic communities
- Collaborate with Arctic stakeholders
- Promote exchange among Arctic nations

## Coordination

AEO represents DOE priorities at different working groups, such as:

- The Alaska Hydrogen Energy Working Group
- The Alaska Nuclear Energy Working Group
- National Security Council
- The White House's Arctic Executive Steering Committee

## The Circumpolar Arctic



## A focus on science

AEO helps advance these DOE science programs:

- Arctic Lab Partnerships of 11 national labs.
- NREL's Cold Climate Housing Research Campus in Fairbanks
- The Atmospheric Radiation Measurement system at Utqiagvik
- Sensors and uncrewed systems at Oliktok Point
- Energy Exascale Earth System Modeling on Arctic tundra, mid-latitude, tropical forests, and oceans
- Next Generation Ecosystem Experiments to improve carbon predictions on climate

### Contact Us

Email:  
[arcticenergy@hq.doe.gov](mailto:arcticenergy@hq.doe.gov)

Web:  
[energy.gov/arctic](https://energy.gov/arctic)

Twitter:  
[@ArcticEnergyDOE](https://twitter.com/ArcticEnergyDOE)

LinkedIn:  
[@doe-arctic-energy-office](https://www.linkedin.com/company/doe-arctic-energy-office)



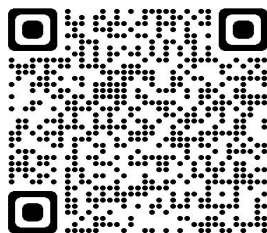
Sources: Clockwise from top left: Mark Ivey, Sandia; Kirsten Swann, Launch Alaska; Werner Slocum, NREL; Vanessa Grisko, DOE

## A focus on energy

AEO advances DOE energy programs, including:

- Building efficiency
- Carbon management and critical minerals
- Electric vehicles
- Energy storage
- Electricity
- Geothermal
- Grid modernization
- Hydrokinetics
- Maritime
- Nuclear
- Renewables

Learn more at  
[energy.gov/arctic](https://energy.gov/arctic)



## A focus on security

AEO is a hub of DOE collaboration with other Arctic nations by:

- Promoting STEM in the Pan Arctic
- Participating in the Arctic Council Assembly
- Collaborating with the U.S. State Department's Arctic Coordinator
- Implementing the National Strategy for the Arctic Region
- Coordinating on maritime transportation and port modernization

### Sample Alaska Partners

- |                                |                          |
|--------------------------------|--------------------------|
| • AEA                          | • Alaska Power Assn      |
| • Alaska Federation of Natives | • AOGA                   |
| • AHFC                         | • AVEC                   |
| • Alaska Miners Assn           | • BOEM                   |
| • Alaska Pacific University    | • Denali Commission      |
| • Alaska RDC                   | • DOD                    |
| • Alaska Resource Education    | • DOI                    |
| • Alaska Village Corp          | • HUD                    |
| • ANCSA                        | • Launch Alaska          |
|                                | • REAP                   |
|                                | • State of Alaska        |
|                                | • USDA-Rural Development |
|                                | • University of Alaska   |